## Required Views for Exams Performed at the Field Center (EPIQ 7)

• Views in red are priority views of acquisition in difficult or time limited studies.

A. Brachial Blood pressure	• Ensure that BP obtained within 30 min of the echo examination
B. Parasternal Position	
☑ Parasternal long axis	<ul> <li>2D imaging (at deep depth)</li> <li>2D imaging (at shallow depth)</li> <li>Color Doppler of the mitral and aortic valves</li> </ul>
☑ Parasternal RV inflow view	<ul> <li>2D imaging of TV</li> <li>Color Doppler of TV</li> <li>CW of TV regurgitation</li> </ul>
☑ Parasternal RV outflow view	<ul> <li>2D imaging of RVOT and PV</li> <li>Color Doppler of PV</li> <li>PW of RVOT</li> <li>CW Doppler of PV, being sure to include full PR envelope</li> </ul>
☑ Parasternal short axis – Aortic valve level	<ul> <li>2D imaging of AV</li> <li>Color Doppler of AV</li> <li>2D imaging of right ventricular outflow tract</li> <li>Color Doppler of right ventricular outflow tract and PV</li> <li>PW Doppler of the RVOT</li> <li>CW Doppler of PV, being sure to include full PR envelope</li> <li>2D imaging of TV</li> <li>Color Doppler of TV</li> <li>CW Doppler of tricuspid regurgitation</li> </ul>
☑ Parasternal short axis – Mitral valve level	2D imaging
☑ Parasternal short axis – Papillary muscle level	2D imaging
☑ Parasternal short axis – LV apex	2D imaging
C. Apical Position	
☑ Apical 4 chamber view	<ul> <li>2D imaging</li> <li>2D imaging, focused on LV</li> <li>2D imaging, zoomed on LA</li> <li>Color Doppler of mitral valve/LA</li> <li>PW Doppler of mitral flow at leaflet tips</li> <li>CW and PW Doppler of mitral flow at mitral annulus</li> <li>TDI color and PW of lateral mitral annulus</li> <li>TDI color and PW of septal mitral annulus</li> </ul>
☑ Apical 4 chamber – focused on the RV	<ul> <li>2D imaging</li> <li>Color Doppler of tricuspid valve/RA</li> <li>PW Doppler of tricuspid inflow flow at tricuspid annulus</li> <li>CW Doppler of tricuspid regurgitation</li> <li>M-Mode of lateral tricuspid annulus</li> <li>TDI of lateral tricuspid annulus</li> </ul>
☑ Apical 5 chamber view	<ul> <li>2D imaging</li> <li>Color Doppler of left ventricular outflow tract</li> </ul>

	<ul> <li>Pulse wave of LVOT flow</li> <li>CW of transaortic flow</li> </ul>
☑ Apical 2 chamber view	<ul> <li>2D imaging</li> <li>2D imaging focused on LV</li> <li>2D imaging zoomed on LA</li> <li>Color Doppler MV/LA</li> </ul>
☑ Apical 3 chamber view	<ul> <li>2D imaging</li> <li>color Doppler LVOT/AV</li> </ul>
D. Subcostal View	
☑ Inferior vena cava	2D imaging (5 second acquisition)
☑ 4 chamber view	2D imaging
E. 3D Imaging (post-protocol)	
☑ Apical Position	<ul> <li>3D full volume acquisition of LV</li> <li>3D full volume acquisition of RV</li> </ul>

## Required Views for Exams Performed during Home Visits (5500CV)

• Views in red are priority views of acquisition in difficult or time limited studies.

A. Brachial Blood pressure	• Ensure that BP obtained within 30 min of the echo examination
B. Parasternal Position	
☑ Parasternal long axis	<ul> <li>2D imaging at deep depth then at shallow depth</li> <li>Color Doppler of the mitral and aortic valves</li> </ul>
☑ Parasternal RV inflow view	• 2D imaging of TV, Color Doppler of TV, CW of TV regurgitation
☑ Parasternal RV outflow view	<ul> <li>2D imaging of RVOT and PV, Color Doppler of PV, PW of RVOT</li> <li>CW Doppler of PV, being sure to include full PR envelope</li> </ul>
☑ Parasternal short axis – Aortic valve level	<ul> <li>2D imaging of AV, Color Doppler of AV</li> <li>2D imaging, color Doppler, PW Doppler of RVOT</li> <li>CW Doppler of PV, being sure to include full PR envelope</li> <li>CW Doppler of tricuspid regurgitation</li> </ul>
☑ Parasternal short axis – Papillary muscle level	2D imaging
C. Apical Position	
☑ Apical 4 chamber view	<ul> <li>2D imaging, focused on LV then focused on LA</li> <li>Color Doppler of mitral valve/LA</li> <li>PW Doppler of mitral flow at leaflet tips then at mitral annulus</li> <li>TDI color and PW of lateral and septal mitral annuli</li> </ul>
☑ Apical 4 chamber – focused on the RV	<ul> <li>2D imaging, Color Doppler of tricuspid valve/RA</li> <li>PW Doppler of tricuspid inflow flow at tricuspid annulus</li> <li>CW Doppler of tricuspid regurgitation</li> <li>M-Mode and TDI of lateral tricuspid annulus</li> </ul>
☑ Apical 5 chamber view	<ul> <li>2D imaging, Color Doppler of left ventricular outflow tract</li> <li>Pulse wave of LVOT flow, CW of transaortic flow</li> </ul>
☑ Apical 2 chamber view	<ul> <li>2D imaging, focused on LV then focused on LA</li> <li>Color Doppler MV/LA</li> </ul>
☑ Apical 3 chamber view	<ul> <li>2D imaging</li> <li>color Doppler LVOT/AV</li> </ul>
D. Subcostal View	
☑ Inferior vena cava	2D imaging (5 second acquisition)
☑ 4 chamber view	• 2D imaging

## **ECL Contact Information**

For technical echo-related questions, please direct all questions and inquiries to the University of Texas Southwestern Medical Center Echocardiography Core Lab:

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